Author Index of Volume 132

Abu-Samn, R. H., 33
Adamson, A. W., 105
Afanasov, M. I., 149
Ahmed Said, A.-A., 123
Allan, J. R., 41
Al-Sharqawy, J. A. M., 95
Al-Showiman, S. S., 33
Alvarez-Valdés, A., 7
Al-Wassil, A. I., 33

Bagnall, K. W., 137
Ball, R. G., 137
Bandoli, G., 177
Bariyanga, J., 91
Blasse, G., 273
Bombieri, G., 263
Bonati, F., 167
Bovio, B., 167
Bowley, H. J., 41
Bowman, J., 207
Bressan, M., 1
Brianese, N., 275
Bukietyńska, K., 21
Burger, K., 149

Camazón, M. J., 7
Casellato, U., 279
Cassoux, P., 229
Chadha, S. L., 237
Chakravarty, A. R., 157
Cingolani, A., 167
Clegg, W., 161
Corbella, M., 75
Crociani, B., 197
Cruz Frias, M., 217
Cuadrado, I., 257

Daban, H., 95
Das, S., 129
de la Chevrotière, C., 91
De Loth, P., 229
Denger, C., 213
Di Vaira, M., 37
du Preez, J. G. H., 241

Edelmann, F., 137
El-Sayed, L., 105

Faraglia, G., 279
Font-Altaba, M., 229
Fornies, J., 217
Forster, L. S., 253
Fregona, D., 279
Fucaloro, A. F., 253

Gallhuber, E., 187
Garner, C. D., 161
Gerber, T. I. A., 241
Gerrard, D. L., 41
Ghedini, M., 223
Gioia Lobbia, G., 167
Glidewell, C., 145
Granozzi, G., 197
Graziani, R., 279
Gregor, I. K., 3
Guang-xian Xu, 263
Gupta, V. K., 163

Hannibal, P., 111
Helm, L., 85
Hensler, G., 187

Jia, Y. Q., 289
Jia-fu Wang, 263
Jinguang Wu, 263
Johnson, I. L., 145

Keck, H., 213
Kennedy, B. J., 153
Khalil, M. I., 95
Knoesen, O., 241
Krannich, L. K., 163
Kuchen, W., 213
Kushi, Y., 11

Lal, R. A., 129
Lamberts, W., 111, 119
Leipoldt, J. G., 165
Leonesi, D., 167
Lewis, N. A., 49
Linert, W., 81
Longeri, M., 223
Lorenzotti, A., 167
Losada, J., 257
Ludwig, E., 177
Lueken, H., 111, 119

Mahal, G., 165
Mandal, S. K., 157
Marçalo, J., 137
Mari, A., 229
Marques, N., 137
Martincigh, B. S., 27
Martinez, F., 217
Masaguer, J. R., 7, 257
Mathow, J., 213
Matisons, J. G., 137
Mazzi, U., 177
Mehner, H., 149
Merbach, A. E., 85
Mizuta, T., 11
Montree, A., 207
Moore, M. H., 61
Morán, M., 257
Mori, W., 247
Morvillo, A., 1
Münze, R., 177
Murray, K. S., 153

Nakahara, A., 247
Nakamoto, M., 193
Nakao, Y., 247
Nassimbeni, L. R., 61, 67
Navarro, R., 217
Navarro-Ranninger, M. C., 7
Nemes-Vetéssy, Zs., 149
Neve, F., 223
Niven, M. L., 61, 67

Ossola, F., 275
Otsuka, K., 123

Pascual, C., 257
Paton, A. D., 41
Peruzzini, M., 37
Pham Ngoc Thuy, 21
Pignolet, L. H., 207
Pires de Matos, A., 137
Pittet, P.-A., 85
Polo, A., 263
Porchia, M., 275

Ray, A. M., 49
Ribas, J., 75, 229
Richens, D. T., 85
Riekkola, M.-L., 99
Rochon, F. D., 91
Roodt, A., 165
Rossetto, G., 275

Sakurai, T., 247
Scattergood, C. D., 161
Scheller, D., 177
Schmitz, J. E. J., 207
Sharma, V., 237
Sitran, S., 279

© Elsevier Sequoia/Printed in Switzerland

Solans, X., 229
Sostero, S., 275
Spies, H., 177
Steenkamp, P. J., 27
Steggerda, J. J., 207
Stoppioni, P., 37
Sundberg, M. R., 99

Takats, J., 137
Tanaka, K., 193
Tanaka, T., 193
Taylor, M. W., 67
Thapa, R. K., 129
Turvey, K., 41

Ulhemann, E., 177
Uson, R., 217

van der Linden, J. G. M., 207
van Eldik, R., 165
Vértes, A., 149
Vicente, R., 229
Vigato, P. A., 279

Watkins, C. L., 163
Wheeler, S. H., 207
Wunderlich, H., 213

Yersin, H., 187
Yoneda, H., 11

Zanella, P., 275

Subject Index of Volume 132

Acetate complexes
  new route to formation of cobaltic acetate, 95
Alkane complexes
  role of lattice O atoms in partial oxidations of methane, ethane and ethylene over Sm oxides, 123
Alkene complexes
  role of lattice O atoms in partial oxidations of methane, ethane and ethylene over Sm oxides, 123
Alkoxy complexes
  dichloro(2,2,2-trichloroethoxy)V(III)diethérate; synthesis and coordination chemistry, 237
Alkyl compounds
  NMR studies of reaction of $MeAsH_2$ with $Me_2AsAsMe_2$, 163
Amine complexes
  characterization of ring-opened diethylenetriamine complex of Pt(II); crystal structure of Pt(dien·HCl)Cl_2, 165
  chemistry of electron deficient organometallic anions; gas phase reactions of $[Cr(CO)_3]^{\cdot-}$ with amines, 3
  crystal structures of racemic (Δ,Λ-d,l) and optically-active (Δ-d) tartrate salts of tris(ethylenediamine)Ni(II) complex, 11
  effect of environmental rigidity on nonradiative decay in Cr(III) amines, 253
  re-interpretation of recorded electronic spectrum and crystal structure of bis[2-(2-aminoethyl)-aminoethanol]Ni(II) nitrate using ULFM and calculated Racah parameters, 27
  synthesis and NMR spectra of Pt compounds with thiourea derivatives, 91
Antimony complexes
  ^1H and ^{13}C NMR study of hydantoin complexes with Sb, Cd and mercuric chlorides, 33
  two novel Sb chalcogenide compounds and their Mössbauer investigation, 149
Aqua complexes
  structural elucidation of oligomeric aqua-Mo cations in solution by ^{17}O NMR, 85
Arsenicum complexes
  fragmentation of realgar, As_4S_4, controlled by transition metal–ligand systems, 37
Arsenicum compounds
  NMR studies of reaction of $MeAsH_2$ with $Me_2AsAsMe_2$, 163

Bidentate ligand complexes
  adducts from Hg(I) and Hg(II) compounds with bispyrazolylalkanes; X-ray crystal structure of bis(3,5-dimethylpyrazol-1-yl)methane-(dicyano)Hg(II), 167
  characterization of ring-opened diethylenetriamine complex of Pt(II); crystal structure of Pt(dien·HCl)Cl_2, 165
  complexes of Cu(II) with substituted benzylideneamines, 7
  complexes of Ru with 1,3-bis(dimethylphosphino)-propane, 1
  complexes of Tc(V) with bidentate Schiff bases derived from *S*-methyldithiocarbazate, 241
  conductometric investigations on solvatochromic Ni(II) complexes in dichloromethane and *N,N*-dimethylformamide, 81
  Cr(II) reduction of tris(pentane-2,4-dionato)-Co(III) in water/acetone solvent mixtures, 49
  crystal structures of racemic (Δ,Λ-d,l) and optically-active (Δ-d) tartrate salts of tris(ethylenediamine)Ni(II) complex, 11
  electrochemical, EPR and crystal structure studies on mixed-ligand 4,5-dimercapto-1,3-dithia-2-thione phosphine complexes of Ni, Pd and Pt, M(dmit)(dppe) and Pt(dmit)$(PPh_3)_2$, 229
  investigations on Tc and Re monothio-β-diketonate complexes and X-ray structure of tris(monothiodibenzoylmethanato)Tc(III), 177
  polymeric dioxouranium(VI) complexes with acyldihydrazones, 129
  Pt(II) dimethyl and diphenyl complexes with some bidiazines and 3,6-bis(2′-pyridyl)pyridazine, 223
  spectroscopic properties of Nd^{3+} complexes with 2,2′-dipyridine and 1,10-phenanthroline, 21
  synthesis and characterization of Yb complex with diphenylacetylpyrazolone $Yb(DPAP)_3 \cdot (H_2O)_2 \cdot 3EtOH$, 263
  synthesis, properties and structure of bis(dialkyldithiophosphinato)Mn(II) complexes, 213
  theoretical and spectroscopic studies on imino-carbon palladated pyridine-2-carbaldimines, 197
  zero-field splitting and magnetic exchange in chloro(*N,N′*-ethylenebis(3-methoxysalicylaldimine)Fe(III) hydrate, [Fe(3-MeO-salen)-Cl(H_2O)], 153
  on zero-phonon structure of single-crystal [Ru(bpy)$_3$]$(PF_6)_2$, 187

Cadmium complexes
  ^1H and ^{13}C NMR study of hydantoin complexes with Sb, Cd and mercuric chlorides, 33

© Elsevier Sequoia/Printed in Switzerland

Carbonyl complexes
chemistry of electron deficient organometallic anions; gas phase reactions of $[Cr(CO)_3]^{-\cdot}$ with amines, 3
cyclopentadienyliron complexes with P=S ligands; synthesis and electrochemical behaviour, 257
oxygen atom transfer reactions from oxygen containing molecules to carbonylmolybdenum(II) complexes, 193
some possible structures of lanthanoid carbonyl compounds, 289
Carboxylate complexes
reactivity of PPh_3 towards $Ru_2Cl(O_2CR)_4$ (R = Me, Ph) in alcoholic medium; novel decarbonylation process mediated by diruthenium compound, 157
Catalysis
role of lattice O atoms in partial oxidations of methane, ethane and ethylene over Sm oxides, 123
Chalcogenide complexes
two novel Sb chalcogenide compounds and their Mössbauer investigation, 149
Chelate complexes
adducts from Hg(I) and Hg(II) compounds with bispyrazolylalkanes; X-ray crystal structure of bis(3,5-dimethylpyrazol-1-yl)methane-(dicyano)Hg(II), 167
characterization of ring-opened diethylenetriamine complex of Pt(II); crystal structure of $Pt(dien\cdot HCl)Cl_2$, 165
complexes of Cu(II) with substituted benzylideneamines, 7
complexes of Ru with 1,3-bis(dimethylphosphino)propane, 1
conductometric investigations on solvatochromic Ni(II) complexes in dichloromethane and *N,N*-dimethylformamide, 81
Cr(II) reduction of tris(pentane-2,4-dionato)-Co(III) in water/acetone solvent mixtures, 49
crystal structures of racemic (Δ,Λ-d,l) and optically-active (Δ,d) tartrate salts of tris(ethylenediamine)Ni(II) complex, 11
electrochemical, EPR and crystal structure studies on mixed-ligand 4,5-dimercapto-1,3-dithia-2-thione phosphine complexes of Ni, Pd and Pt, M(dmit)(dppe) and $Pt(dmit)(PPh_3)_2$, 229
investigations on Tc and Re monothio-β-diketonate complexes and X-ray structure of tris(monothiodibenzoylmethanato)Tc(III), 177
Pt(II) dimethyl and diphenyl complexes with some bidiazines and 3,6-bis(2′-pyridyl)pyridazine, 223
spectroscopic properties of Nd^{3+} complexes with 2,2′-dipyridine and 1,10-phenanthroline, 21
synthesis and characterization of Yb complex with diphenylacetylpyrazolone $Yb(DPAP)_3\cdot(H_2O)_2\cdot 3EtOH$, 263
synthesis, properties and structure of bis(dialkyldithiophosphinato)Mn(II) complexes, 213
zero-field splitting and magnetic exchange in chloro(*N,N′*-ethylenebis(3-methoxysalicylaldimine)Fe(III) hydrate, [Fe(3-MeO-salen)-$Cl(H_2O)$], 153
on zero-phonon structure of single-crystal $[Ru(bpy)_3](PF_6)_2$, 187
Chemiluminescence
chemiluminescent reactions of Ru(2,2′-bipyridine)$_3^{1+,3+}$ and $Mo_6Cl_{14}^{1-,3-}$, 105
Chromium complexes
chemistry of electron deficient organometallic anions; gas phase reactions of $[Cr(CO)_3]^{-\cdot}$ with amines, 3
Cr(II) reduction of tris(pentane-2,4-dionato)-Co(III) in water/acetone solvent mixtures, 49
effect of environmental rigidity on nonradiative decay in Cr(III) amines, 253
polynuclear Cr(III) complexes with bromide bridging; thermal and magnetic studies, 75
Clathrate complexes
structures of bis(isothiocyanato)tetrakis(4-phenylpyridine)Ni(II) and its clathrates with *ortho*-xylene, *meta*-xylene and *para*-xylene + dimethylsulphoxide, 67
Cluster complexes
isolation of single cubane-like Re–S–Cu–Cl cluster $[ReS_4(CuCl_3)Cl]^{2-}$, 161
Cobalt complexes
Cr(II) reduction of tris(pentane-2,4-dionato)-Co(III) in water/acetone solvent mixtures, 49
new route to formation of cobaltic acetate, 95
Conductimetry
conductometric investigations on solvatochromic Ni(II) complexes in dichloromethane and *N,N*-dimethylformamide, 81
Copper complexes
complexes of Cu(II) with substituted benzylideneamines, 7
mono-, di-, and trinuclear Cu(II) complexes containing pyrazole and glycylglycine or diethylenetriamine; comparisons with imidazole containing Cu(II) complexes, 247
Crystal structure(s)
of bis[2-(2-aminoethyl)aminoethanol]Ni(II) nitrate, 27
of bis(dialkyldithiophosphinato)Mn(II) complexes, 213
of bis(3,5-dimethylpyrazol-1-yl)methane-(dicyano)Hg(II), 167
of bis[*N,N*-di(trifluoroethyl)dithiocarbamato]-Ni(II), 99
of bis(isothiocyanato)tetrakis(4-phenylpyridine)-Ni(II) and its clathrates with *ortho*-xylene, *meta*-xylene and *para*-xylene + dimethylsulphoxide, 67
dioxouranium(VI) complexes with pentadentate

bases containing acetal groups, 279
of $[Dy(C_5H_5)_2Br]_2$ and $[Er(C_5H_5)_2Br]_2$, 111
of $^1_\infty[Dy(C_5H_5)_2Cl]$, 119
of $M[HB(3,5\text{-}Me_2Pz)_3]Cl_3(THF)$ (M = Th and U), 137
of mixed-ligand 4,5-dimercapto-1,3-dithia-2-thione phosphine complexes of Ni, Pd and Pt, M(dmit)(dppe) and Pt(dmit)$(PPh_3)_2$, 229
of racemic (Δ,Λ-d,l) and optically-active (Δ-d) tartrate salts of tris(ethylenediamine)Ni(II) complex, 11
of tris(monothiodibenzoylmethanato)Tc(III), 177
of $Yb(DPAP)_3\cdot(H_2O)_2\cdot 3EtOH$, 263

Cubane complexes
isolation of single cubane-like Re–S–Cu–Cl cluster $[ReS_4(CuCl)_3Cl]^{2-}$, 161

Cyanide complexes
adducts from Hg(I) and Hg(II) compounds with bispyrazolylalkanes; X-ray crystal structure of bis(3,5-dimethylpyrazol-1-yl)methane-(dicyano)Hg(II), 167
definitive identification of primary reduction product of nitroprusside ion, pentacyanonitrosylferrate(2–), in aqueous solution, 145

Cyclopentadienyl complexes
cyclopentadienyliron complexes with P=S ligands; synthesis and electrochemical behaviour, 257
dysprosium- and erbium-dicyclopentadienide-bromide, $[Dy(C_5H_5)_2Br]_2$ and $[Er(C_5H_5)_2Br]_2$, 111
dysprosiumdicyclopentadienidechloride $^1_\infty[Dy(C_5H_5)_2Cl]$, 119

Dinuclear complexes
reactivity of PPh_3 towards $Ru_2Cl(O_2CR)_4$ (R = Me, Ph) in alcoholic medium; novel decarbonylation process mediated by diruthenium compound, 157

Dithiocarbamate complexes
effect of fluorination on thermal properties and crystal structure of bis[*N*,*N*-di(trifluoroethyl)-dithiocarbamato]Ni(II), 99

Dysprosium complexes
dysprosiumdicyclopentadienidechloride $^1_\infty[Dy(C_5H_5)_2Cl]$, 119
dysprosium- and erbium-dicyclopentadienide-bromide, $[Dy(C_5H_5)_2Br]_2$ and $[Er(C_5H_5)_2Br]_2$, 111

Electrochemistry
cyclopentadienyliron complexes with P=S ligands; synthesis and electrochemical behaviour, 257
electrochemical, EPR and crystal structure studies on mixed-ligand 4,5-dimercapto-1,3-dithia-2-thione phosphine complexes of Ni, Pd and Pt, M(dmit)(dppe) and Pt(dmit)$(PPh_3)_2$, 229
electrochemical study on oxidation of tris(*N*,*N*-dimethyldithiocarbamato)Ru(III), 207

Electronic structure(s)
of imino-carbon palladated pyridine-2-carbaldimines, 197
re-interpretation of recorded electronic spectrum and crystal structure of bis[2-(2-aminoethyl)-aminoethanol]Ni(II) nitrate using ULFM and calculated Racah parameters, 27
of $[Ru(bpy)_3](PF_6)_2$, 187
spectral, magnetic and electrical studies on complexes of some first row transition elements with pyrazinecarboxylic acid, 41

Erbium complexes
dysprosium- and erbium-dicyclopentadienide-bromide, $[Dy(C_5H_5)_2Br]_2$ and $[Er(C_5H_5)_2Br]_2$, 111

Gadolinium complexes
vibronic emission transitions of Gd(III) in sodium lanthanum sulfate hydrate, 273

Halide complexes
^1H and ^{13}C NMR study of hydatoin complexes with Sb, Cd and mercuric chlorides, 33

Hydroxo complexes
structural elucidation of oligomeric aqua-Mo cations in solution by ^{17}O NMR, 85

Iron complexes
cyclopentadienyliron complexes with P=S ligands; synthesis and electrochemical behaviour, 257
definitive identification of primary reduction product of nitroprusside ion, pentacyano-nitrosylferrate(2–), in aqueous solution, 145
zero-field splitting and magnetic exchange in chloro(*N*,*N*'-ethylenebis(3-methoxysalicyl-aldimine)Fe(III) hydrate, [Fe(3-MeO-salen)-$Cl(H_2O)$], 153

Isothiocyanate complexes
structures of bis(isothiocyanato)tetrakis(4-phenylpyridine)Ni(II) and its clathrates with *ortho*-xylene, *meta*-xylene and *para*-xylene + dimethylsulphoxide, 67

Kinetics and mechanism
Cr(II) reduction of tris(pentane-2,4-dionato)-Co(III) in water/acetone solvent mixtures, 49

Lanthanide complexes
some possible structures of lanthanoid carbonyl compounds, 289

Lanthanum complexes
vibronic emission transitions of Gd(III) in sodium lanthanum sulfate hydrate, 273

Lewis base complexes
zero-field splitting and magnetic exchange in

chloro(*N,N'*-ethylenebis(3-methoxysalicylaldimine)Fe(III) hydrate, [Fe(3-MeO-salen)Cl(H_2O)], 153

Manganese complexes
synthesis, properties and structure of bis(dialkyldithiophosphinato)Mn(II) complexes, 213
Magnetism
dysprosium- and erbium-dicyclopentadienide-bromide, $[Dy(C_5H_5)_2Br]_2$ and $[Er(C_5H_5)_2Br]_2$, 111
Mercury complexes
adducts from Hg(I) and Hg(II) compounds with bispyrazolylalkanes; X-ray crystal structure of bis(3,5-dimethylpyrazol-1-yl)methane-(dicyano)Hg(II), 167
^1H and ^{13}C NMR study of hydantoin complexes with Sb, Cd and mercuric chlorides, 33
Metal complexes
spectral, magnetic and electrical studies on complexes of some first row transition elements with pyrazinecarboxylic acid, 41
Molybdenum complexes
chemiluminescent reactions of Ru(2,2'-bipyridine)$_3^{1+,3+}$ and $Mo_6Cl_{14}^{1-,3-}$, 105
oxygen atom transfer reactions from oxygen containing molecules to carbonylmolybdenum(II) complexes, 193
structural elucidation of oligomeric aqua-Mo cations in solution by ^{17}O NMR, 85

Neodymium complexes
spectroscopic properties of Nd^{3+} complexes with 2,2'-dipyridine and 1,10-phenanthroline, 21
Nickel complexes
conductometric investigations on solvatochromic Ni(II) complexes in dichloromethane and *N,N*-dimethylformamide, 81
crystal structures of racemic (Δ,Λ-d,l) and optically-active (Δ-d) tartrate salts of tris(ethylenediamine)Ni(II) complex, 11
effect of fluorination on thermal properties and crystal structure of bis[*N,N*-di(trifluoroethyl)-dithiocarbamato]Ni(II), 99
electrochemical, EPR and crystal structure studies on mixed-ligand 4,5-dimercapto-1,3-dithia-2-thione phosphine complexes of Ni, Pd and Pt, M(dmit)(dppe) and Pt(dmit)(PPh_3)$_2$, 229
re-interpretation of recorded electronic spectrum and crystal structure of bis[2-(2-aminoethyl)-aminoethanol]Ni(II) nitrate using ULFM and calculated Racah parameters, 27
structures of bis(isothiocyanato)tetrakis(4-phenylpyridine)Ni(II) and its clathrates with *ortho*-xylene, *meta*-xylene and *para*-xylene + dimethylsulphoxide, 67
structures of two novel polymeric inclusion compounds; poly(bis(isothiocyanato)di(2-aminopyridine)Ni(II))·diethylether and di(aqua bis(isothiocyanato)3-aminopyridine μ-3 aminopyridine Ni(II))·water, 61
Nitrosyl complexes
definitive identification of primary reduction product of nitroprusside ion, pentacyanonitrosylferrate(2−), in aqueous solution, 145

Olefin complexes
reactions of organouranium compounds with tetracyanoethylene and 7,7,8,8-tetracyanoquinodimethane, 275
Oxidation
electrochemical study on oxidation of tris(*N,N*-dimethyldithiocarbamato)Ru(III), 207
oxygen atom transfer reactions from oxygen containing molecules to carbonylmolybdenum(II) complexes, 193
role of lattice O atoms in partial oxidations of methane, ethane and ethylene over Sm oxides, 123
Oxide complexes
role of lattice O atoms in partial oxidations of methane, ethane and ethylene over Sm oxides, 123
Oxo complexes
complexes of Tc(V) with bidentate Schiff bases derived from *S*-methyldithiocarbazate, 241
dioxouranium(VI) complexes with pentadentate bases containing acetal groups, 279
polymeric dioxouranium(VI) complexes with acyldihydrazones, 129
structural elucidation of oligomeric aqua-Mo cations in solution by ^{17}O NMR, 85

Palladium complexes
electrochemical, EPR and crystal structure studies on mixed-ligand 4,5-dimercapto-1,3-dithia-2-thione phosphine complexes of Ni, Pd and Pt, M(dmit)(dppe) and Pt(dmit)(PPh_3)$_2$, 229
synthesis and reactivity of mixed pentafluorophenyl Pt(I)–Pd(I) derivatives, 217
theoretical and spectroscopic studies on iminocarbon palladated pyridine-2-carbaldimines, 197
Perfluoroaryl complexes
synthesis and reactivity of mixed pentafluorophenyl Pt(I)–Pd(I) derivatives, 217
Platinum complexes
characterization of ring-opened diethylenetriamine complex of Pt(II); crystal structure of Pt(dien·HCl)Cl_2, 165
electrochemical, EPR and crystal structure studies on mixed-ligand 4,5-dimercapto-1,3-dithia-2-thione phosphine complexes of Ni, Pd and Pt, M(dmit)(dppe) and Pt(dmit)(PPh_3)$_2$, 229
Pt(II) dimethyl and diphenyl complexes with some bidiazines and 3,6-bis(2'-pyridyl)pyridazine, 223

synthesis and NMR spectra of Pt compounds with thiourea derivatives, 91
synthesis and reactivity of mixed pentafluorophenyl Pt(I)–Pd(I) derivatives, 217
Polydentate ligand complexes
actinide poly(pyrazol-1-yl)borate complexes; synthesis and structure of hydrotris(3,5-dimethylpyrazol-1-yl)boratotrichlorotetrahydrofuran actinide(IV), M[HB(3,5-Me_2Pz_3]Cl_3(THF) (M = Th and U), 137
mono-, di-, and trinuclear Cu(II) complexes containing pyrazole and glycylglycine or diethylenetriamine; comparisons with imidazole containing Cu(II) complexes, 247
spectral, magnetic and electrical studies on complexes of some first row transition elements with pyrazinecarboxylic acid, 41
Polymeric complexes
polymeric dioxouranium(VI) complexes with acyldihydrazones, 129
structures of two novel polymeric inclusion compounds; poly(bis(isothiocyanato)di(2-aminopyridine)Ni(II))·diethylether and di(aqua bis(isothiocyanato)3-aminopyridine μ-3 aminopyridine Ni(II))·water, 61
Polynuclear complexes
mono-, di-, and trinuclear Cu(II) complexes containing pyrazole and glycylglycine or diethylenetriamine; comparisons with imidazole containing Cu(II) complexes, 247
polynuclear Cr(III) complexes with bromide bridging; thermal and magnetic studies, 75

Redox reactions
Cr(II) reduction of tris(pentane-2,4-dionato)-Co(III) in water/acetone solvent mixtures, 149
Rhenium complexes
investigations on Tc and Re monothio-β-diketonate complexes and X-ray structure of tris(monothiodibenzoylmethanato)Tc(III), 177
isolation of single cubane-like Re–S–Cu–Cl cluster $[ReS_4(CuCl)_3Cl]^{2-}$, 161
Ruthenium complexes
chemiluminescent reactions of Ru(2,2′-bipyridine)$_3^{1+,3+}$ and $Mo_6Cl_{14}^{1-,3-}$, 105
complexes of Ru with 1,3-bis(dimethylphosphino)propane, 1
electrochemical study on oxidation of tris(*N*,*N*-dimethyldithiocarbamato)Ru(III), 207
reactivity of PPh_3 towards $Ru_2Cl(O_2CR)_4$ (R = Me, Ph) in alcoholic medium; novel decarbonylation process mediated by diruthenium compound, 157
on zero-phonon structure of single-crystal [Ru(bpy)$_3$]$(PF_6)_2$, 187

Samarium complexes
role of lattice O atoms in partial oxidations of methane, ethane and ethylene over Sm oxides, 123
Schiff base complexes
complexes of Tc(V) with bidentate Schiff bases derived from *S*-methyldithiocarbazate, 241
dioxouranium(VI) complexes with pentadentate bases containing acetal groups, 279
Sulfur complexes
fragmentation of realgar, As_4S_4, controlled by transition metal–ligand systems, 37
isolation of single cubane-like Re–S–Cu–Cl cluster $[ReS_4(CuCl)_3Cl]^{2-}$, 161

Technetium complexes
complexes of Tc(V) with bidentate Schiff bases derived from *S*-methyldithiocarbazate, 241
investigations on Tc and Re monothio-β-diketonate complexes and X-ray structure of tris(monothiodibenzoylmethanato)Tc(III), 177
Theoretical calculations
some possible structures of lanthanoid carbonyl compounds, 289
Thiocarbamate complexes
electrochemical study on oxidation of tris(*N*,*N*-dimethyldithiocarbamato)Ru(III), 207
Thiourea complexes
synthesis and NMR spectra of Pt compounds with thiourea derivatives, 91
Thorium complexes
actinide poly(pyrazol-1-yl)borate complexes, synthesis and structure of hydrotris(3,5-dimethylpyrazol-1-yl)boratotrichlorotetrahydrofuran actinide(IV), M[HB(3,5-$Me_2Pz)_3Cl_3$(THF) (M = Th and U), 137

Uranium complexes
actinide poly(pyrazol-1-yl)borate complexes; synthesis and structure of hydrotris(3,5-dimethylpyrazol-1-yl)boratotrichlorotetrahydrofuran actinide(IV), M[HB(3,5-$Me_2Pz)_3Cl_3$(THF) (M = Th and U), 137
dioxouranium complexes with pentadentate bases containing acetal groups, 279
polymeric dioxouranium(VI) complexes with acyldihydrazones, 129
reactions of organouranium compounds with tetracyanoethylene and 7,7,8,8-tetracyanoquinodimethane, 275

Vanadium complexes
dichloro(2,2,2-trichloroethoxy)V(III)dietherate; synthesis and coordination chemistry, 237

Ytterbium complexes
synthesis and characterization of Yb complex with diphenylacetylpyrazolone Yb(DPAP)$_3$·$(H_2O)_2$·3EtOH, 263